

FIG. 1

CETP Genomic (SEQ ID NO:1)
Genbank M32992

tgtctttttc tcatagtcat tgtatttgg cctctttcta ttatggcaa cagagagaga
aagcttattc ctagatata gtatttaagt aaaaataat gaattcatgg aacatatta
agcaatatac cagataaacat aaggatggc aaaaatggt cagatggtg agggagaca
agtagaagtt ggggtgcctc tggtaatgt ctggctctga actctaggg aggtggcagg
ggctggccag gaaggagggtg aatctctgg gcaggaaaga ccctgctgcc cggaaagagc
tcatgttccg tggggctgg ggggacatac atatacggc tccaggctga acggctcggg
ccacttacac accactgcccataccatgataaccatg cttggctgcac cttggccctg
ctgggcaatgt cccatgcctg ggtgtgttaag tatcagtca tctgtctgcc
atcaccaagg tctttcatg gracacccact atggccaggag ctcctggc
ggctgcccaca ctagcccaga ggggggggg ggtcaaggatc ctggccagg
gtcatcaccc tgcctgacc tggcattgca acaggcaggat ataggattt
ttcgaggtag ggttcagat ggggggggtt cactctatgg
gggggggggtt gtatattgg tggtgggggg
gaggctcaaggatc gggggggctt ccatcactga
ctctctggcc tgcgtctc tgcgtatata
tttctaaaat aggtatcgc cagttcaaa
cagttcaca gcatgtctc ggtggggctt
cccatttgtt aggtatcgtgg ggttccatg
ggatctcttag ctgggggtcag
taaaccaga ggaggccca
agaggctgag tcataggccaa
agccctcatc cactggcc
ccttccaggcg agccagctac
aagtcaagta tgggttgcac
gtggcggggag gaacagctg
gactcaggc tctccccc
60
120
180
240
300
360
420
480
540
600
660
720
780
840
900
960
1020
1080
1140
1200
1260
1320
1380
1440
1500
1560
1620
1656

CETP Genomic (SEQ ID NO:2)

GenBank	M32993	ctctttta aagataggca	tttcttagata	taaatctccc	tgtgaggcacg	gttccctcca
ctttcaggcac	accagggttg	actctctcg	ggcggttccc	tctggtcacc	tgattgattg	ggaccaccca
cttcctctt	ctgcctcc	ttccacttt	cggtaaccctg	tgattcaat	aacttaacca	ttttgaggat
gataacctag	gatcatctcc	ccacccatcc	caaggccctt	tttgacatgt	tggttaacat	300
gggttaacacg	agttagatgt	ggtacccagg	atgatctat	tttggggcc	atttgaggat	360
tctgtggatt	aggaggacat	tttggggggcc	gatgaccctg	ttttggggcc	ttttggggcc	420
aaatggagg	ctcaactcctt	gggctccctg	tccatcgcca	ttttggggcc	ttttggggcc	480
ttccctccca	gcatccagat	cagccacttg	ggagccagggt	ttttggggcc	ttttggggcc	540
gaaggccaatg	ccattgtatgt	ctccattcag	ttgtgtctgt	ttttggggcc	ttttggggcc	600
aagtatggct	acaccactgc	ctgggtgtaa	gcatttctgt	ttttggggcc	ttttggggcc	660
ggccctctct	gggtgggggg	ctgaatgggg	tctgggtcct	ttttggggcc	ttttggggcc	720
attgtatcgt	ccatgtactt	cgagatcgac	tctgccccatgt	ttttggggcc	ttttggggcc	780
cttggatatgt	gtcaaggcgtc	ctctggggaa	gtggggagctg	ttttggggcc	ttttggggcc	840
cagggggga	ggttgtgcag	gcaggggggtt	ctggggccac	ttttggggcc	ttttggggcc	900
gtttgcaggg	ttgggggacc	cagagctggc	caagctcttg	actggccctgg	ttttggggcc	960
gataccatct	gataggcggg	gctgcccctga	ggtcatgtcg	ggtctccctg	ttttggggcc	1020
ctctggataga	gtggggaccg	atggccctga	ctgctacctg	tcttccata	ttttggggcc	1080
gcatctccaa	ggggaggcgg	agtaaagtaca	ccaccctgtg	ccccatccc	ttttggggcc	1140
atcctgttag	ggccctcca	ggctcaaaccc	ggctcaaaccc	cacacaggga	ttttggggcc	1200
tggccaaacc	aatacctca	aataccctca	gtgggggtcat	tccatcccc	ttttggggcc	1260
caccctaaag	acaataacca	acaataacca	acaagctagta	actaaacagct	ttttggggcc	1320
tctgtttggca	aaggactatt	tcatggattta	tcatggattta	attgattttg	ttttggggcc	1380
caacccttag	atatagattc	ccctttttac	ccctttttac	atatgggtta	ttttggggcc	1440
agacaggat	gaaaggaaaa	gctcatatct	acggagtcga	tcctgcattc	ttttggggcc	1500
actaactcag	agataaaaact	ctagccaaagc	taaggtaactt	gctgaggaca	ttttggggcc	1560
cactaaggga	ttgggaggtagg	accatttga	accaggactt	ctctgacc	ttttggggcc	1620
ttcccttagata	ctttactctc	ctgcttccca	gggtggggct	ttttggggcc	ttttggggcc	1680
tctgtcaagg	agctgtggta	accccattgc	acagaggaaag	ataacaagggt	ttttggggcc	1740
ccttagtcatg	ttaccaatgc	caaaccctgga	ggggaggatgg	gaactggctgg	ttttggggcc	1800
gagaggagcc	ctctattcag	gccatttttt	ctgactctgg	agcaaggacgg	ttttggggcc	1860
gaatttggac	tctagacacacg	ttttggggcc	tgtgacagggt	gtgagcgtca	ttttggggcc	1920
gcgcctccac	atggttccac	atggttccac	atggttccac	atggttccac	atggttccac	

FIG. 2A

FIG. 2B

ctcactgcaa	aatgggagtg	ataattctta	cttcctgagc	tacaaggatc	agggccaaaca
gagccatgaa	ggaggcctgg	acacactagg	cgctccatgg	atggcaaggaa	ctggtcaggg
gctcatgtg	gtgcttgctg	ccttcaggcc	tgggtggatc	aaggcactgt	tcacaaattt
catcccttc	accctgaagc	tggtcctgaa	gggacagggtg	agtggggctg	gctgactccc
tgtgtccag	gccatgccc	ggaggctggaa	tccctttcct	ccctgaggaaag	2220
gtgcaactcc	cacccatcc	atgtggccag	tcccctgtgc	cggcccccag	2280
accacgagc	tggaaagggg	cactccgtct	ggcctccctt	cctgcccggaa	2340
tctgtctgcc	ccagatctgc	aaaggatca	acgtcatctc	aagcacccatgc	2400
tccagacaag	ggctgggtgag	tgcgttctg	tctgcatgcc	taacatcatgc	2460
ccagaaagcc	acctgctgca	ctatgtggcc	ttgggactgt	gccgattttg	2520
catggctct	atctggctct	gacacttgat	gattagttat	tccaaaggatc	2580
ctgccccctt	ggtgccggctc	acaaggctgt	tggcgaagggg	tgccaggaaactt	2640
caaattgggtg	attaagtccaa	agaggcatcc	aagattctcc	tttagggaaaaaa	2700
agataattag	attgtctcaca	tggctggca	ctcatccatg	tactgtactc	2760
tacaggcag	agctgggttt	cagccaaat	cttggactct	ttctatggcag	2820
aagggcctca	cctaccaga	cagacagact	gctctgaaacc	aacctcttag	2880
ccccccccc	cacaccagg	tcccacttta	ttggggatggaa	ttagggaaaaaa	2940
gttagctgtgt	ggatgggggg	gacgggtgact	gctggggcttgg	gagaatggacatt	3000
cgttgatctt	ttccctccctgc	agccaggcat	cccccattttt	tgaggccctgg	3060
tccctgacag	gtgatcccgt	catcacaaggc	tttccatctgg	gagacattttgg	3120
gttgtgggg	ggtggggcagg	gcccaggcttc	cccaagggggg	gggtggacatt	3180
gacaacccca	tcccccaggct	tcaaccttat	tttgtctttt	caaggtagga	3240
cattccctgat	gtccctccgc	attccctgatg	gtccctgttt	tttgtgtgttt	3300
ccctgacccc	tctctgcaagg	caccagggtct	gtccactaca	ggcaggccac	3360
gctccctccct	agaggggctta	ttcgggcttct	gtcatccctct	aggatccca	3420
cccccagggg	gtactgacaa	aagctt	acaggcgtgg	atgtggcccc	3446

+

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FIG. 3

CETP Genomic (SEQ ID NO:3)	Genbank M32997	acatgggtgca	catgcccgtgt	gtcccttagcta	cttggtggct	gaggtagaca	atcgcttgaa	60
		ccctggggacgt	gggggttgc	gtggagctgag	atcggtccac	ctgcctccag	cctgggcaac	120
		agaggtagac	tgtctaaaa	acaaaaaaag	aaaagaaaag	tgacttctca	aaaagaaaag	180
		gggtcctaacc	ccaaagccac	agggtctggg	gaacttccct	cggtttcag	aagaggcagta	240
		gcttaaggcctg	gcccctggt	tctccaggat	catccgtcc	ctcaggggaa	agaatcaggg	300
		gcccctgagct	aggagggttg	ctctctgtt	cggaagagc	cctggctcac	agcaaatttg	360
		gttttctcc	ccaggatatac	gtgactaccg	tccaggccctc	ctattctaa	aaaaaagtct	420
		tcttaaggcct	cttggatttc	cagtagtgtc	tgcaaggaaag	agaagggggc	ggtcaactcc	480
		cccaaaacctt	ccctggccccc	ttggagttcag	gcacaggggcg	gggtgttggt	ggggaaaatgt	540
		ggcccccctt	ttctggggca	tatggctctga	ctgcagggaa	tgccctagata	gataagaccc	600
		gaatcttcgt	ggggaaaggaa	gggtccagg	aagaatggag	ggctggccagg	aagaaggcct	660
		gagctatgag	acaaaaggac	tggctgttat	tcttagagtt	tcttcccag	gggatgtttac	720
		aggagggggc	ccaatgggg	gtcaaaattat	catcgcttt	ttatttcagg	attacaccaa	780
		agacttgttc	caacttgttac	gaggttagta	gtcttgata	gactggggaa	aataaagtct	840
		gtgggacctc	ctggcttaaa	gaaaggaggc	ggggggccct	aaaggaaaatc	agcaaccagg	900
		acccaaagaa	tgtgaccagg	tggtccatgc	tgtgtctctt	gtgacccttc	ttctccctgc	960
		catgtcttt	ggggaggccc	ttgtgttgca	aaaatggagag	tgtgggttga	tggatgggg	1020
		tttaggcaga	acagttactgg	ccaaggaggc	ctccctggac	ctcaattttc	cctctgtgg	1080
		atgggtctagc	aatccctgggc	ctccccagg	cgaaggaaaag	accactcagg	aagggacccg	1140
		tctggggcag	gaaaacggag	tgggttggat	gtattttt	cacggatggg	catggatgg	1200
		aatgtttgtc	caggccgtgc	agcatctgcc	ttgtgggtca	ttctctgtgt	ccaggaggga	1260
		ctcaccatgg	gcattttgatt	gcaggcaggc	tccgagtccg	tccagagctt	cctgcagtca	1320
		atgtacccgg	ctgtgggcat	ccctggggtc	atgtctcgta	atgtgtggct	ggagggggaaa	1380
		ctgggtgtccg	aggctgacag	agcttcccat	ttcacccat			1420

FIG. 4

CETP Genomic Sequence (SEQ ID No. 4)

Genbank No. : M32998

1 ggatggttg ggagctcaag tttggggca gaaggaaatt tttttggca gcagagtgca
61 agccctgccc ccaggcaac tctgctttc ctcattcata gaaggacttg ctcactctgc
121 taaatcaaag taaaacgcattttacagaa tattggtcca aaagggttca agcatctccc
181 actaccagg gtgcagagcc tcggccggc cttgtctccc aagaagggtt gactggggct
241 ctgtcccttc gccccagggtt cgaggtagt tttacagccc tcatgaacag caaaggctgt
301 agccctttcg acatcatcaa ccctgagatt atcactcgag atgtgagttac aaggcccccc
361 tcaccaggccc ctgttccctgg ggaggaggcc ccagacaggg ttcctgggtt gactggggcc
421 ttttggtag acagacagag gggcccttac cagttggct ccctccctggt ggcctggag
481 tcagcccaggc tcgccccctt ctcctactgc ccctccrcc agggcttctt gctgctgcag
541 atggactttg gcttccctga gcacccctgt gtggatttcc tccagagctt gagctagaag
601 tctcccaagga ggtcgggatg gggctttagt cagaaggcaa gcaccaggct cacagcttgg
661 accctggtgtt ctccctccagg gtgtcgaaatg ttgggttagt agtacggaga tggagatgg
721 ctcccactc ctccctatcc taaaggccca ctggcattaa agtgcgtat ccaagaggctg
781 cggaggccctt cttctgtggc tggcggttagt aggggggggg aagggttctcaccagggt
841 ccgtccacccctttcaggcc ctcccaagca gctggccca aaccctccaa gctt

10032241 060402

+

+

FIG. 5

CETP Alleles

Intron 1 (707) :

Allele 1: GTTCTTTGGT G AGAAGGTCCCT (SEQ ID No. 5)
Allele 2: GTTCTTTGGT A AGAAGGTCCCT (SEQ ID No. 6)

Intron 8 (3707) :

Allele 1: TGGCCTGAAC C TGATCGGGACC (SEQ ID No. 7)
Allele 2: TGGCCTGAAC T TGATCGGGACC (SEQ ID No. 8)

Intron 8 (3946) :

Allele 1: GATGATCTAG A GGGGGGGGG (SEQ ID No. 9)
Allele 2: GATGATCTAG T GGGGGGGGG (SEQ ID No. 10)

Promoter (VNTR) :

GAA and GAA repeats between -2144 and -1974 from translational start site. Alleles are defined by variation in size.

Insertion (307) :

Allele 1: GAATGGAGGG AGGGCCTGGC (SEQ ID No. 11)
Allele 2: GAATGGAGGG CTGCCAGGAAGG AGGGCCTGGC (SEQ ID No. 12)

Intron 15 (493) :

Allele 1: AGCCCAGCTC G CCCCTCTCTC (SEQ ID No. 13)
Allele 2: AGCCCAGCTC A CCCCTCTCTC (SEQ ID No. 14)

FIG. 6

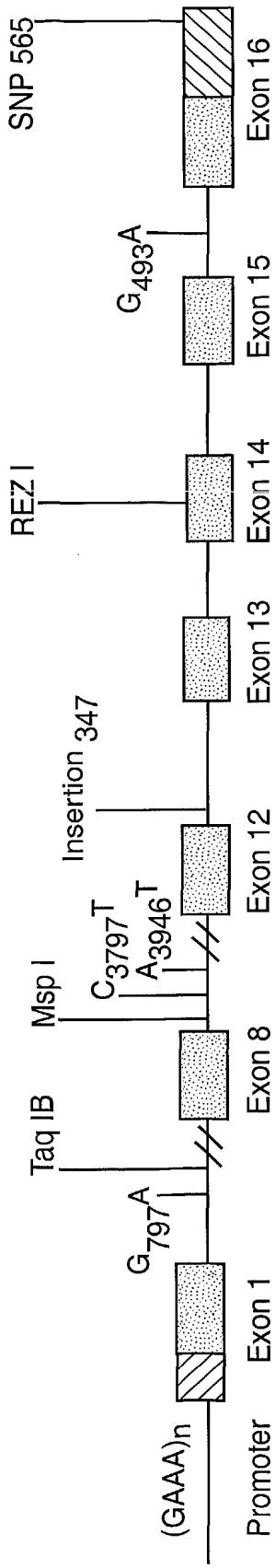


FIG. 7

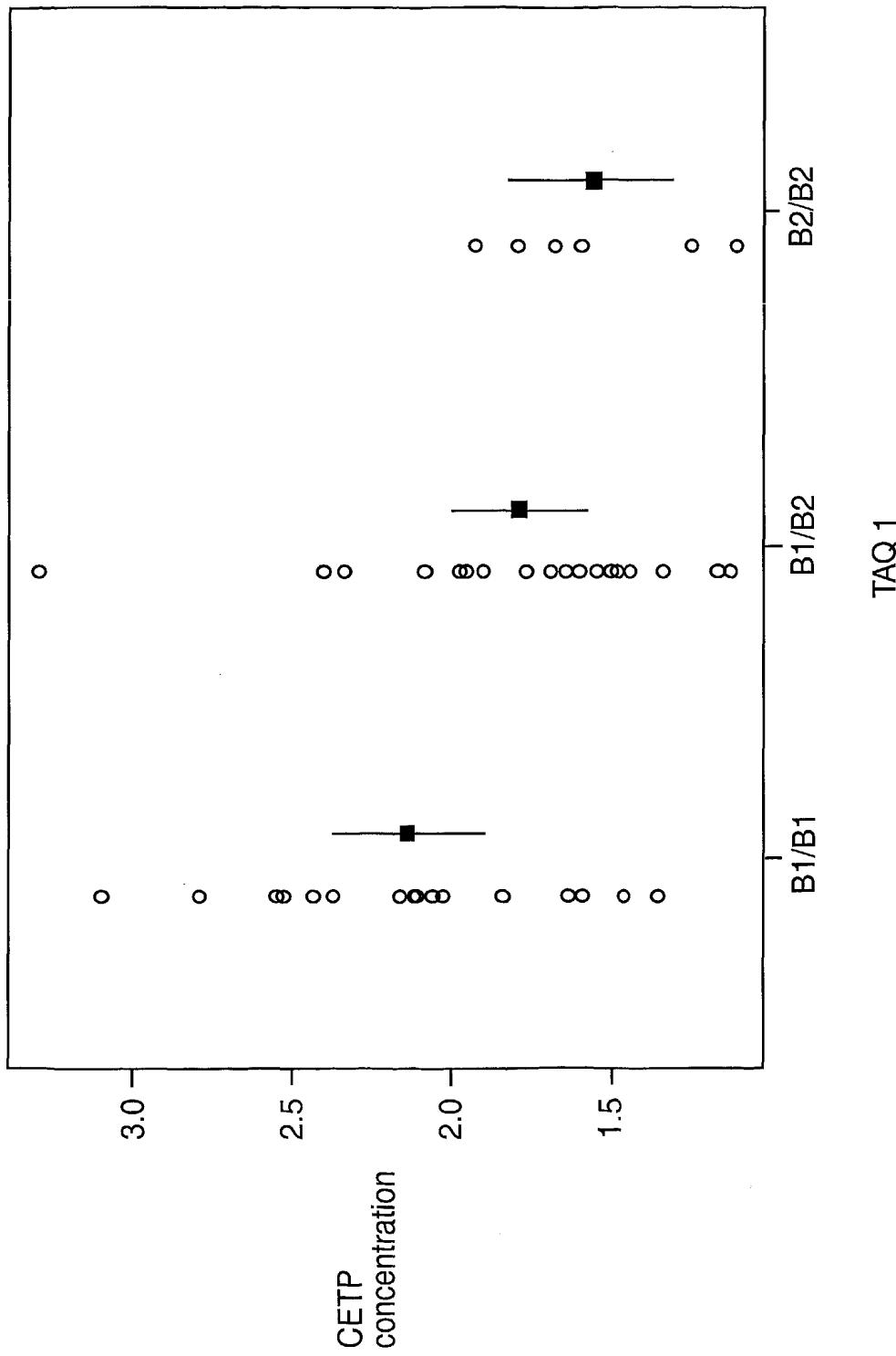


FIG. 8

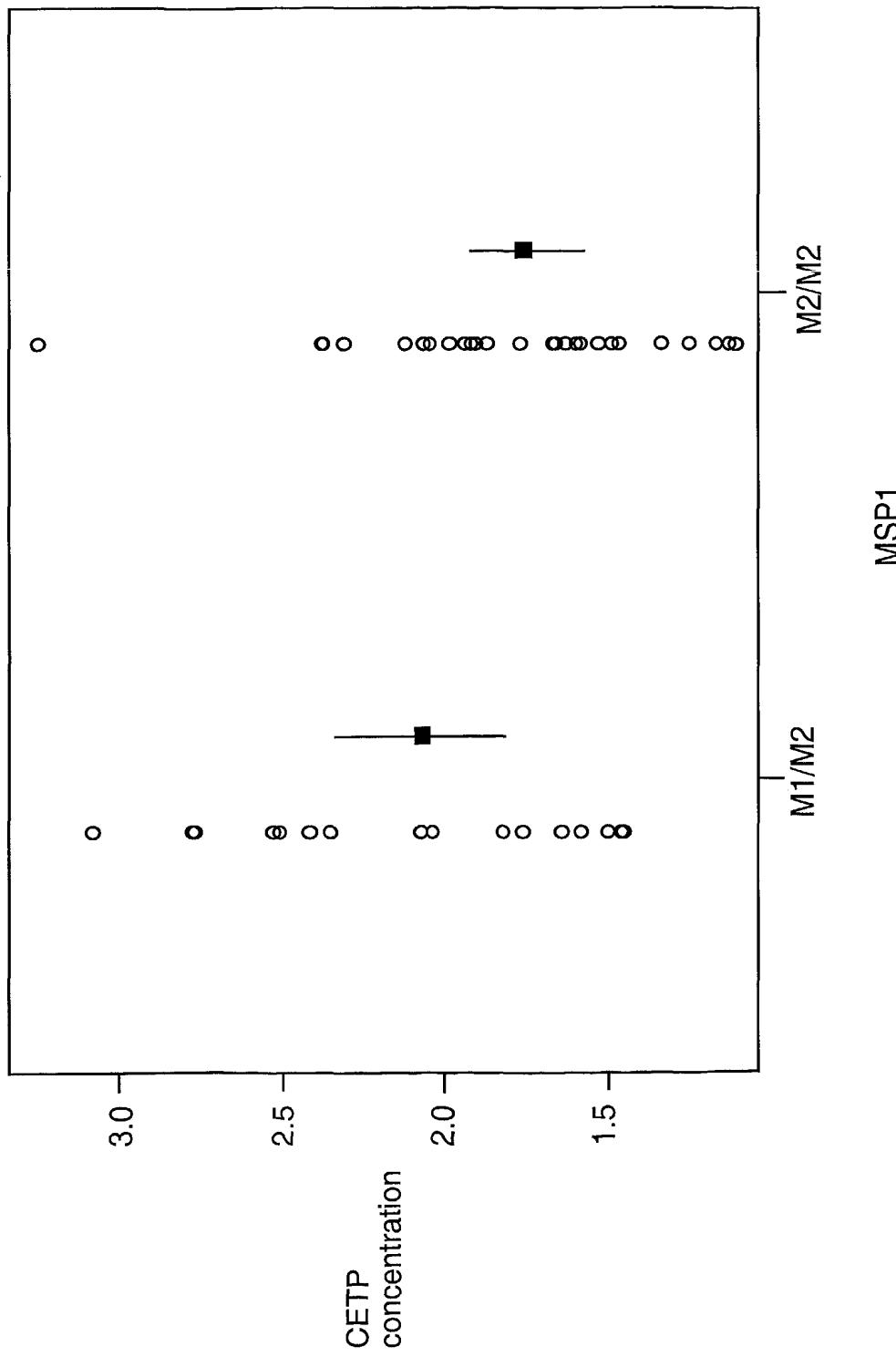


FIG. 9

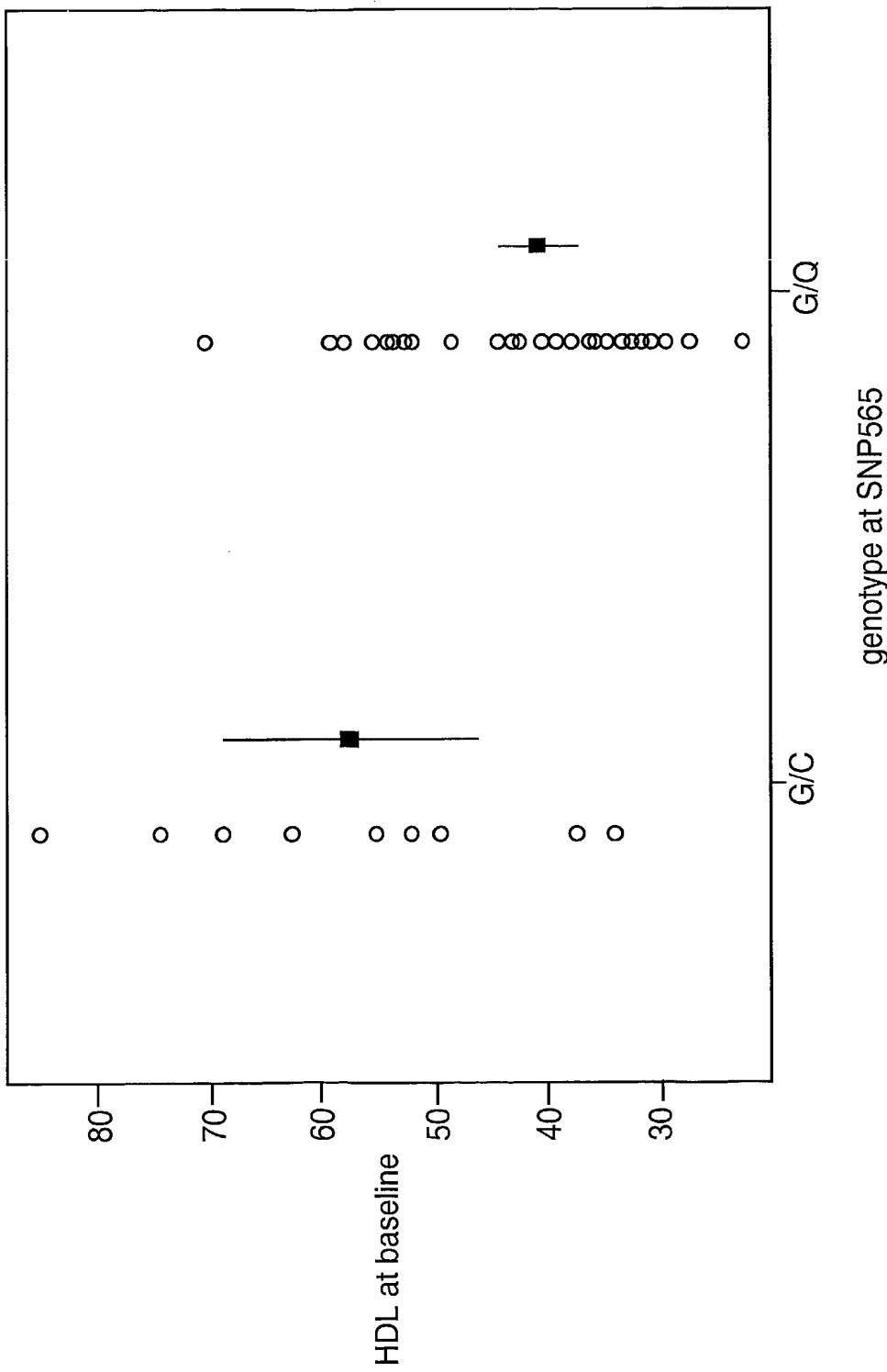
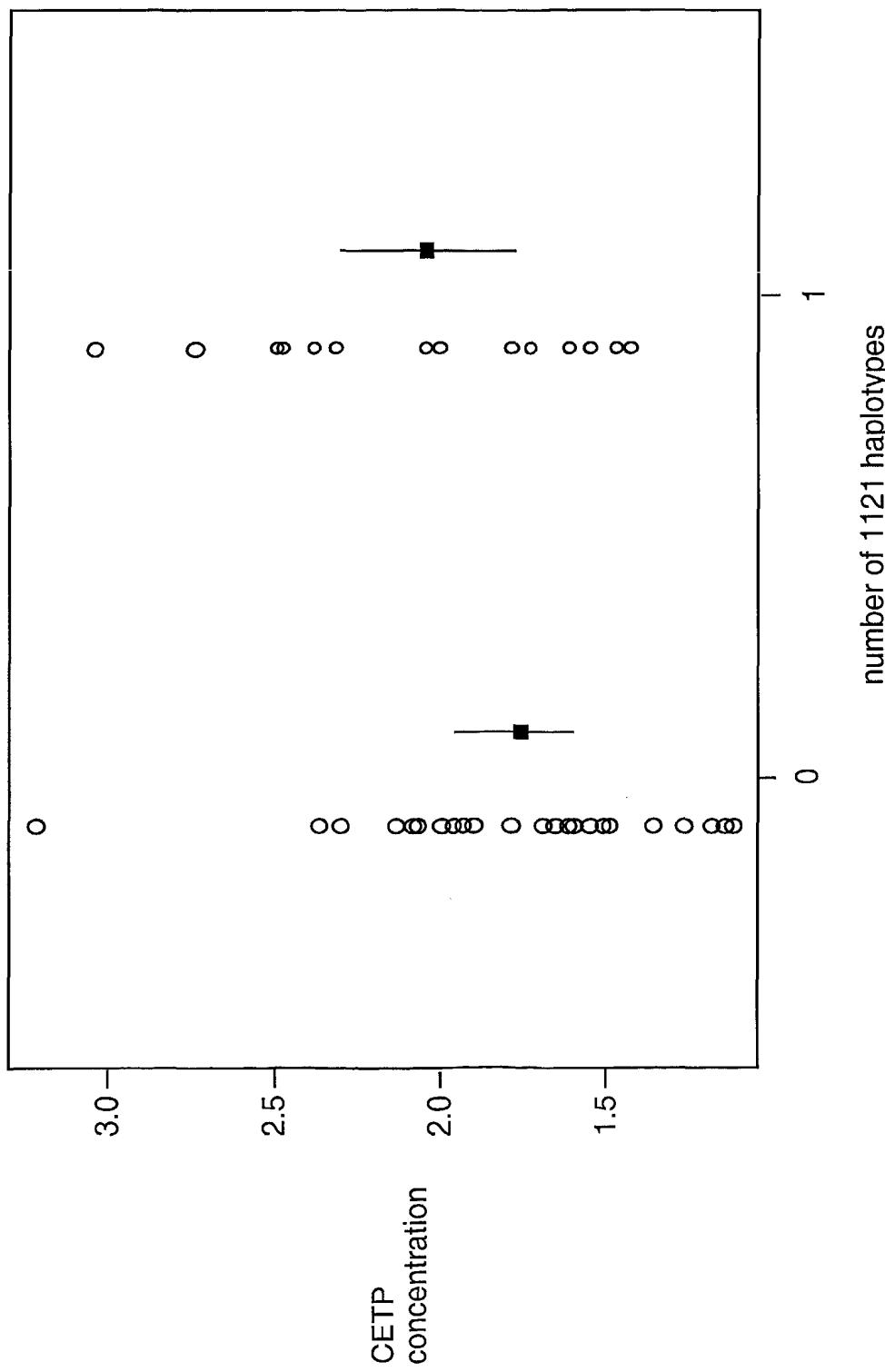


FIG.10



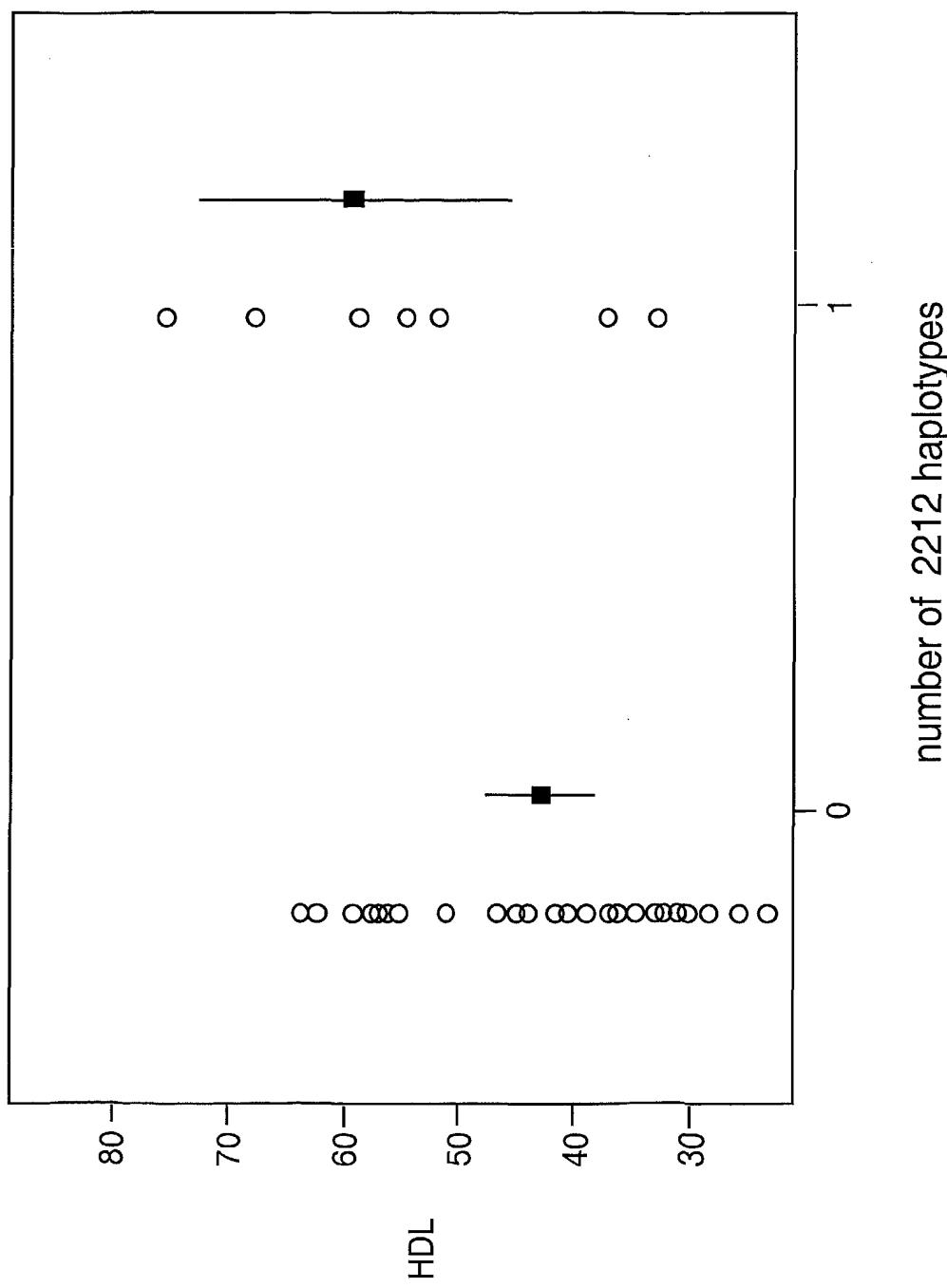


FIG. 1